

# **GREENING** of the **GOVERNMENT**

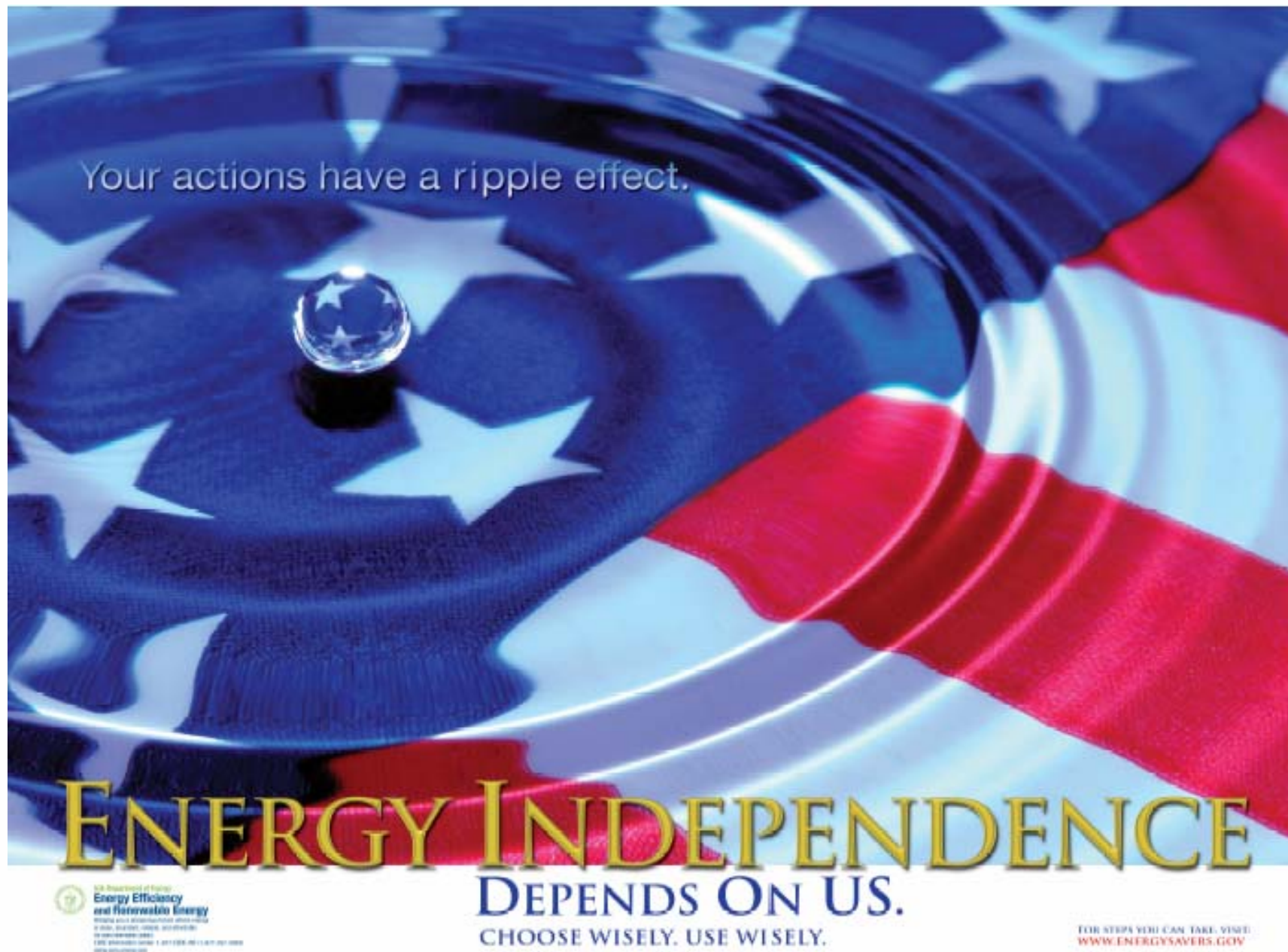
Oak Ridge National Labs

## **Awareness & Improvement** **Business Strategies**

Dennis Denton



**EARTH DAY 2007**



2006



BE A PART OF  
**SOMETHING BIG**



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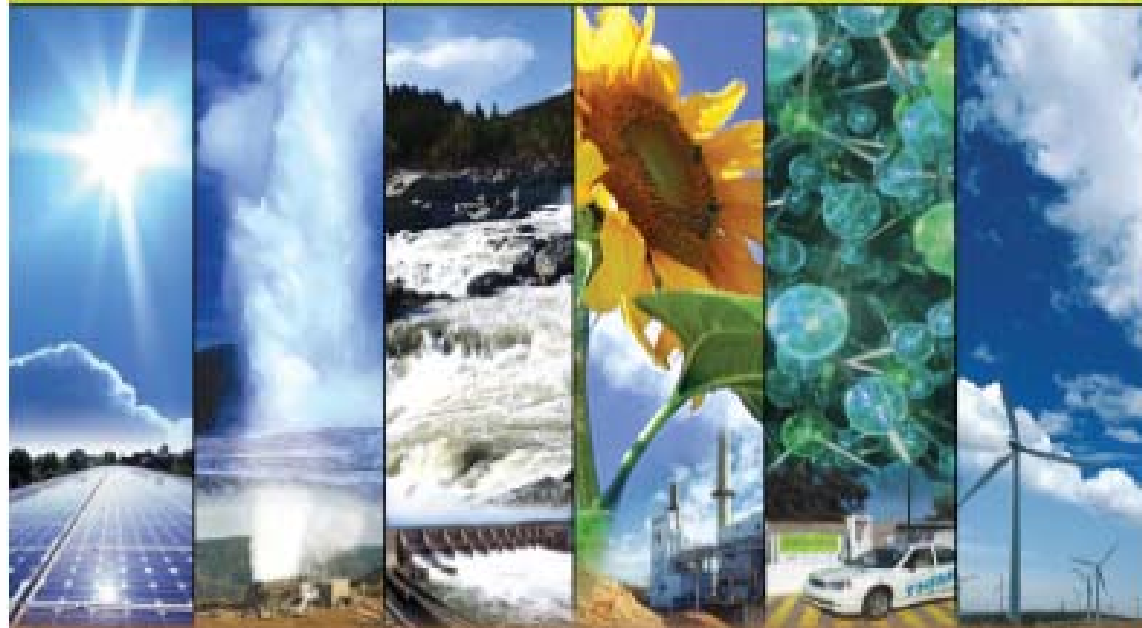


**FIND OUT HOW YOU FIT IN**  
Learn about ways to save energy and money  
visit: [www.energysavers.gov](http://www.energysavers.gov)



**GRAINGER**  
FOR THE ONES WHO GET IT DONE

WE'RE FINDING WAYS TO  
**BE RESOURCEFUL**



SOLAR GEOTHERMAL HYDROPOWER BIOMASS HYDROGEN WIND

## SMART ENERGY CHOICES

support our economy,  
protect our environment,  
and  
increase energy independence.

Find out more.

Contact the EERE Information Center at 1-877-EERE-INFO (1-877-337-3463). Visit: [www.eere.energy.gov/femp](http://www.eere.energy.gov/femp).



# EARTH DAY 2004

**GRAINGER**  
FOR THE ONES WHO GET IT DONE

IT'S AS AMERICAN AS...



# ★ ENERGY EFFICIENCY ★

GOOD FOR YOU. GOOD FOR THE COUNTRY.




U.S. Department of Energy  
Energy Efficiency and Renewable Energy  
Federal Energy Management Program  
www.energy.gov/eehp


2003

**GRAINGER**  
FOR THE ONES WHO GET IT DONE







SOLAR




WIND




HYDROPOWER



BIOFUELS



GEOTHERMAL




HYDROGEN

ONE PERSON CAN MAKE  
**A WORLD**  
OF DIFFERENCE

CREATE A FUTURE  
where energy is  
clean,  
abundant,  
reliable,  
and  
affordable



YOU HAVE  
the POWER



U.S. Department of Energy  
Energy Efficiency and Renewable Energy  
America's Energy Future Starts Here  
Renewable Energy Resources  
1-800-222-3829 • www.eere.energy.gov

2003

**RED, WHITE, BLUE...and GREEN**

**Show your true colors this Earth Day  
Use Renewable Energy for a Secure America**

**SOLAR  
WIND  
HYDROPOWER  
BIOMASS  
GEOTHERMAL  
HYDROGEN**



**U.S. Department of Energy  
Energy Efficiency and Renewable Energy**  
Building and delivering a secure, sustainable future for America  
1000 Independence Avenue, NE  
Washington, DC 20585  
FEDERAL ENERGY MANAGEMENT PROGRAM

**2002**



# STATISTICS

## **EXECUTIVE ORDER 12856, 08-03-1993 – Federal Compliance:**

- Right-to-Know Laws and Pollution Prevention Requirements
- Pledges the Federal Government to Protect the Environment by Preventing Pollution at the Source

## **EXECUTIVE ORDER 13101, 09-14-1998 -- Greening the Government:**

- (1) Waste prevention, (2) Recycling, and (3) Federal Acquisition

## **EXECUTIVE ORDER 13101, Revised February 2001 – Implementation Guide:**

238 Pages (table of contents sampling below)

- PART 4 – Acquisition Planning, Affirmative Procurement Programs, Federal Facility Compliance
- PART 6 – Agency Goals & Reporting Requirements – Goals for Waste Reduction
- PART 8 – Awareness – Training, Agency Awards Program, White House Awards Program

## **E-PACT 2005**

- 2% Minimum Energy Savings per year for 10 years, 2015
- Starting on the road to “energy security”

## **EXECUTIVE ORDER 13423, 01-24-2007**

- Strengthening Federal Environmental, Energy and Transportation Management
- Increases annual energy savings to minimum 3% a year, 30% or more by 2015

## **EXECUTIVE ORDER 13423, 03-29-2007 – Final Implementation Instructions**

- *CHANGES & MANDATES are HERE!*

# IMPROVEMENT *Strategies*

- GREEN SEAL CHEMICALS
- RECYCLED CONTENT
- ENERGY EFFICIENCY
- ENERGY STAR PRODUCTS
- WATER CONSERVATION
- WASTE ELIMINATION
- ENVIRONMENTALLY PREFERRED
- WORKER SAFETY & HEALTH



# RESOURCE *Strategies*

[http://www.grainger.com/Grainger/static.jsp?page=rc\\_greenproducts.html](http://www.grainger.com/Grainger/static.jsp?page=rc_greenproducts.html)



## Go Green for the Environment, for Our Future.



We can help you with solutions to keep your facility's commitment to environmental responsibility.



[Energy Star®](#)



[Green Seal](#)



[Recycled Content](#)



[NEMA Premium™  
Efficient](#)



[Water Conservation](#)



[Other  
Environmental Considerations](#)

**Be part of the solution.**

# BUSINESS *Strategies*

STANDARDIZATION

JIT SUPPLY CHAIN

LEAN PROCESS IMPROVEMENTS

COST-IN-USE & BEST VALUE

LEED & ENERGY STAR

WASTE ELIMINATION

VALUE ADDED PARTNERS

E-BUSINESS





# FINISH LINE - 2007

- Energy Efficiency Mandate of 3% Savings per year, Minimum 30% by 2015
- Reduction of Greenhouse Emissions
- Renewable Energy Usage Requirements including Bio-energy
- Renewable Energy Projects Construction
- Beginning 2008 – Reduce Water Consumption Intensity
- Requirements and Reporting for Agency Acquisitions
- Sustainable Environmental Practices for all Areas Included
- Post Consumer Waste & Recycled Content Goals
- Increase Bio-based Products / Reduce Petroleum Products Reduction
- Environmentally Preferred Requirements
- Purchase of Energy Efficient Products including Energy Star
- Use of Water Efficient Products
- Reduce Toxic, Hazardous Chemicals / Materials acquired, use & disposed
- Life Cycle Cost-Effectiveness, Improve “Cost-in-Use” Acquisitions
- Establish Compliance Training, Review, Auditing and Leadership Awards



# RESOURCES

- <http://www.energy.gov/>
- <http://www.greenseal.org>
- <http://www.eere.energy.gov/>
- <http://www.ask.com>
- <http://www.usda.gov/wps/portal/usdahome>
- <http://www.energystar.gov/>
- <http://gsa.gov>
- <http://www.ofee.gov/>
- <http://www.grainger.com/>

